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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/616,745	07/09/2003	Shawn Anthony Hall	YOR920030155US1	2754	
7:	590 02/11/2005		EXAM	EXAMINER	
David Aker, Esq.			CHERVINSKY, BORIS LEO		
23 Southern Ro Hartsdale, NY			ART UNIT	PAPER NUMBER	
,			2835		
			DATE MAILED: 02/11/2009		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	·.
		10/616,745	HALL, SHAWN ANTHONY	•
	Office Action Summary	Examiner	Art Unit	
		Boris L. Chervinsky	2835	. • 1
Period fe	The MAILING DATE of this communication ap or Reply	pears on the cover sheet wi	th the correspondence address	
	IORTENED STATUTORY PERIOD FOR REPL	Y IS SET TO EXPIRE 3 M	ONTH(S) FROM	•
THE	MAILING DATE OF THIS COMMUNICATION.	_		•
after	ensions of time may be available under the provisions of 37 CFR 1. r SIX (6) MONTHS from the mailing date of this communication.	,,	•	Ÿ
- If NO	e period for reply specified above is less than thirty (30) days, a rep O period for reply is specified above, the maximum statutory period	will apply and will expire SIX (6) MON	THS from the mailing date of this communication.	٠.
Any	ure to reply within the set or extended period for reply will, by statut reply received by the Office later than three months after the mailin ned patent term adjustment. See 37 CFR 1.704(b).			
Status				,
1)[X]	Responsive to communication(s) filed on 09 v	luly 2003		
		s action is non-final.	•	
3)	Since this application is in condition for allowa		ers, prosecution as to the merits is	
•	closed in accordance with the practice under	Ex parte Quayle, 1935 C.D	. 11, 453 O.G. 213.	
Disposit	ion of Claims			•
•	Claim(s) <u>1-25</u> is/are pending in the application	•		٠
7/23	4a) Of the above claim(s) is/are withdra			•
5)□	Claim(s) is/are allowed.		·	
· · · · · · · · · · · · · · · · · · ·	Claim(s) <u>1-25</u> is/are rejected.			
7)	Claim(s) is/are objected to.			
8)	Claim(s) are subject to restriction and/o	or election requirement.		
Applicat	ion Papers			`
9)	The specification is objected to by the Examina	er.		
	The drawing(s) filed on <u>09 July 2003</u> is/are: a)		ted to by the Examiner.	
	Applicant may not request that any objection to the	e drawing(s) be held in abeyar	ice. See 37 CFR 1.85(a).	
	Replacement drawing sheet(s) including the correct	ction is required if the drawing	(s) is objected to. See 37 CFR 1.121(d).	
11)	The oath or declaration is objected to by the E	xaminer. Note the attached	Office Action or form PTO-152.	-
Priority :	under 35 U.S.C. § 119			
12)	Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. §	119(a)-(d) or (f).	
a)	☐ All b)☐ Some * c)☐ None of:			
	1. Certified copies of the priority documen	ts have been received.		
	2. Certified copies of the priority documen		·· \	
	3. Copies of the certified copies of the price	-	received in this National Stage	•••
* *	application from the International Burea	, , , , , , , , , , , , , , , , , , , ,	an anti-and	v.
~ (See the attached detailed Office action for a list	t of the centiled copies not	received.	
	/			
Attachmen	nt(s)			
	ce of References Cited (PTO-892)		Summary (PTO-413)	
	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08	_	s)/Mail Date Iformal Patent Application (PTO-152)	
	er No(s)/Mail Date	6) Other:		

DETAILED ACTION

Claim Objections

- Claim 2 is objected to because of the following informalities: as best understood, 1. the first plenum and the second plenum are claimed in claim 1, therefore they should be mentioned in claim 2 with article "the" to provide antecedence with the claim 1. Appropriate correction is required.
- Claim 5 is objected to under 37 CFR 1.75 as being a substantial duplicate of 2. claim 4. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

Drawings

3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the floor for supporting the racks, the space beneath it and the tiles with openings must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet.

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and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

- 4. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 5. Claims 6-13, 15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 6-13, 15 are vague and indefinite since the claimed elements are not shown in the drawings (see drawing objection above), therefore no definitive structural relationship can be positively established.

6. Claim 15 recites the limitation "the space beneath the floor" in lines 3-4. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1-5, 14, 16, 23-25 are rejected under 35 U.S.C. 102(b) as being anticipated by Omori, JP 01089599 A.

Omori discloses a cooling arrangement (see Fig. 6) for an electronic heat-producing devices 4 arranged in a row and spaced from adjacent units, sloped partitions 8 are disposed in the spacing between the adjacent devices forming first and second plenums which are complimentary in size and shape, the fluid moving apparatus, or plurality of fans 6 and 7 provide cooling air flow through the first plenum, through the heat producing devices and the second plenum; the electronic equipment 5 disposed in racks. The method steps of claim 25 are necessitated by the device structure as disclosed by Omori.

Claim Rejections - 35 USC § 103

- 9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 10. Claims 6-13, 15 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Omori.

Omori discloses the claimed invention except a supporting floor, the space beneath the floor, and tiles with openings. The equipment that is disposed on the raised tiled floor is well known and is a common arrangement in the industry and is described in the

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reference in the instant application as known (see Disclosure, Page 16, lines 4-9). It would have been obvious at the time the invention was made to a person having ordinary skill in the art to place the device as disclosed by Omori on the raised floor and to provide cooling medium therefrom. Omni does not show the second plenum being larger than the first plenum. It would have been an obvious matter of design choice to make the plenums of different size, since such a modification would have involved a mere change in the size of a component. A change in size is generally recognized as being within the level of ordinary skill in the art. *In re Rose*, 105 USPQ 237 (CCPA 1955).

11. Claims 17 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Omori in view of Kondou et al.

Omori discloses the claimed invention except the curved partition. Kondou discloses the curved partition (see Fig. 12, 16, 19, 32). It would have been obvious at the time the invention was made to a person having ordinary skill in the art to use a curved partition as disclosed by Kondou in the device disclosed by Omori to optimize airflow.

12. Claims 19-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Omori in view of McKeen et al.

Omori discloses the claimed invention except a bend. McKeen discloses the partition having the bend (see Fig.). It would have been obvious at the time the invention was made to a person having ordinary skill in the art to use the bend as disclosed by McKeen in the device disclosed by Omori in order to provide optimum airflow.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Boris L. Chervinsky whose telephone number is 571-272-2039. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D. Feild can be reached on 571-272-2800 ext. 35. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BORIS CHÉRVINSKY PRIMARY EXAMINER Louis L. Churian 2/9/5

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